

A 2 Sub 323 concd
a positively charged porous matrix; and

a peroxide producing signal producing system present on said matrix, wherein said peroxide producing signal producing system includes a urea derivative dye,

wherein said test strip is stable for at least about six months at temperatures ranging from at least about -80°C to 60°C under humidity ranging from at least about 0% to 20%.

A 3
14. (Once Amended) The test strip according to Claim 11, wherein said urea derivative dye has the formula:
 $R^1 R^2 NCO(NH)R^3$, wherein R^1 , R^2 taken together is a N, N-di-substituted aminoaryl, and R^3 is selected from the group consisting of carboxyalkyl, alkoxy carbonyl, alkyl carbonyl, arylsulfonyl, sulfoaryl and carboxyaryl

A 4 Sub 34
19. (Once Amended) An analyte detection or measurement system comprising:
(a) a storage stable reagent test strip comprising:
(i) a positively charged porous matrix; and
(ii) a peroxide producing signal producing system present on said matrix, wherein said peroxide producing signal producing system includes a urea derivative dye; and
(b) an automated instrument,
wherein said test strip is stable for at least about six months at temperatures ranging from at least about -80°C to 60°C under humidity ranging from at least about 0% to 20%.

20. (Once Amended) A method for detecting the presence or determining the concentration of an analyte in a sample, said method comprising:
(a) applying said physiological sample to a storage stable reagent test strip comprising:
(i) a positively charged porous matrix; and
(ii) a peroxide producing signal producing system present on said matrix, wherein said peroxide producing signal producing system includes a urea derivative dye,

wherein said test strip is stable for at least about six months at temperatures ranging from at least about -80°C to 60°C under humidity ranging from at least about 0% to 20%;

(b) detecting a signal produced by said signal producing system; and
(c) relating said detected signal to the presence or concentration of said analyte in said